

Everyday computing delivered in style

#### EVERYDAY PC PERFORMANCE

Enjoy the powerful performance of an Intel® Pentium® T4200 processor (2.00GHz<sup>1</sup>) with 3GB of pre-installed memory.

The VAIO NS notebook comes pre-installed with Genuine Microsoft® Windows Vista® Home Premium 64-bit<sup>14</sup>.

Work and play online within your home or office using 802.11b/g/n integrated wireless LAN technology<sup>3</sup>.

Store your cherished digital family photos, school projects and important documents on the roomy 320GB<sup>2</sup> (5400rpm) Serial ATA hard disk drive.

#### MULTIMEDIA ENTERTAINMENT

A 15.4"<sup>4</sup> widescreen display, with XBRITE-ECO™ LCD technology, delivers razor-sharp details and bold colors while preserving precious battery power.

Communicate with family, friends and colleagues using the built-in webcam<sup>11</sup>.

Editing digital video and images is quick and easy with VAIO® Movie Story software. You choose the supplied template and professional-looking cutaways, cross-fades and soundtrack syncing are automatically done for you.

#### STYLISH YET FUNCTIONAL DESIGN

Clean lines, textured exterior, a rich Granite Silver hue and an aesthetic yet functional design give this notebook a very contemporary look and feel.

Connect to useful peripherals with 4 conveniently located USB ports.

The 15.4"<sup>4</sup> VAIO® NS notebook exemplifies contemporary style in an easy-to-handle mobile PC. With such great features as a built-in webcam<sup>11</sup> and 3GB of RAM, the VAIO NS notebook is a great PC for all your day-to-day computing and entertainment endeavors.



XBRITE-ECO™



# VGN-NS328J/W

## VAIO® NS Notebook PC

### Specifications

#### General

Computer Type: Notebook  
Type of Use: Portable  
Action Buttons: AV Mode, Mute  
Pointing Device: Electro-static touch pad

#### Hardware

Keyboard: QWERTY, 86 keys with 2.5mm stroke and 19.05mm pitch  
Camera: Built-in MOTION EYE® camera and microphone

#### Processor

Type: Intel® Pentium® Processor T4200  
Speed: 2.0GHz<sup>1</sup>  
Front Side Bus Speed: 800MHz  
L2 Cache: 1MB

#### Memory

Type: DDR2  
Installed: 3GB PC2-6400 (2GBx1) + (1GBx1)  
Maximum: 8GB  
Speed: 800MHz

#### Hard Drive

Capacity: 320GB<sup>2</sup>  
Speed: 5400rpm  
Interface: Serial ATA

#### Optical Drive

CD Support: Read / Write (CD/-R/-RW)  
DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

#### Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (Standard/Duo) media slot with MagicGate® functionality  
One ExpressCard® / 34 media slot  
One Secure Digital (SD memory card) media slot

#### Audio

Sound System: Intel® High Definition Audio

#### Display

Screen Size: 15.4"<sup>4</sup>  
Resolution: 1280 x 800 (WXGA)  
XBRITE-ECO™ Technology: Yes

#### Graphics

Processor: Mobile Intel® Graphics Media Accelerator 4500M with Intel® Clear Video Technology. Total Available Graphics Memory of 1340MB (max.)<sup>15</sup>  
Chipset: Intel® GM45 Express Chipset  
Max. External Resolution via VGA: 2048 x 1536

#### Inputs and Outputs

Modem Jack: 1  
Microphone Input: 1  
USB Port(s): 4 (2.0 compliant)  
VGA Output(s): 1  
DC-In: 1  
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)<sup>7</sup>  
Ethernet Connection (s): 1

#### Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T (Gigabit)  
Ethernet Speed: Fast Ethernet (RJ-45)  
Modem Type: Integrated V.92/V.90 Modem (RJ-11)  
Wireless LAN: Atheros 802.11 b/g/n Wireless Network Connection<sup>3</sup>

#### Power

Sony Electronics Inc. • 16530 Via Franklin, San Diego, CA 92127 • 1.800.222.7669 • www.sony.com  
(VGP-BPS13A/B)

Estimated Battery Life: Up to 4.0 hours<sup>8</sup> Standard Capacity Battery  
Up to 6.5 hours<sup>8</sup> Large Capacity Battery  
Power Requirements: 95W + 10%

#### Software

Operating System: Genuine Microsoft® Windows Vista® Home Premium 64-bit<sup>14</sup>  
Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student 2007<sup>12</sup>  
The VAIO® Software Experience: VAIO® Startup Assistant  
VAIO® Care  
VAIO® Multimedia Suite: VAIO® Startup Assistant  
Click to Disc Editor - Import, Edit, Burn  
VAIO® Movie Story - Simple Movie Creation  
VAIO® MusicBox - Music by Mood  
VAIO® Media plus - Multimedia Streaming Software  
\*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Anti-Virus & Recovery Software: Norton Internet Security™ 2009 30-Day Trial Offer<sup>13</sup>

#### Service and Warranty Information

Telephone Support: 1 year toll-free technical telephone assistance, available 24/7<sup>13</sup>  
Online and Email Support: Support available from <http://www.esupport.sony.com/EN/VAIO>  
Limited Warranty Term: 1 year limited warranty<sup>9</sup>. See actual warranty for details.

#### Environmental Information

EPEAT™ : Gold  
RoHS®: Compliant  
ENERGY STAR®: 5.0

#### Regulation and Standard Compliance

Energy Star® Compliant: Yes

#### Dimensions

Weight: 6.4 lbs<sup>7</sup> (with standard battery)  
Measurements: 14.18"(W) x 1.24-1.5"(H) x 10.63"(D)<sup>5,6</sup>

#### Supplied Accessories

Standard Capacity Lithium-ion Battery (VGP-BPS13A/B)  
AC Adapter  
Power Cord

#### Optional Accessories

Large Capacity Battery (VGP-BPL13)  
Additional Standard Capacity Lithium-ion Battery (VGP-BPS13A/B)  
Stick AC Adapter (VGP-AC19V30)  
USB Laser Mouse (VGP-UMS55/W)  
USB Portable Speaker (VGP-USP1)  
Notebook Backpack (VGP-CCP3/H)  
Matching Carrying Case (VGPCKN1/W)

Color: Silk White  
UPC Code: 027242778085

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Non-metric weights and measures are approximate and may vary.
6. Measured at the narrowest point.
7. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
8. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
9. See actual limited warranty for details. For a copy of Sony's warranty, please visit [www.sony.com/pcsupport](http://www.sony.com/pcsupport), call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.

10. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the applicable software vendor.
11. Broadband Internet service required along with third party services which may require a subscription or other service fee.
12. 60-Day Trial Version of Microsoft® Office 2007. This trial software will work only for 60 days after you first use it. You will not be able to use the software if you don't activate it as described the first time you use the software. You can activate the software by Internet. Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instructions presented during setup and paying the required fees.
13. Norton Internet Security™ 2009 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. You can activate in the Sony VAIO Startup Assistant or by double clicking the Norton Internet Security icon on your desktop. After your 30 days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identity theft.
14. Compatibility and performance in a 64 bit environment may vary. Check with the manufacturer of your software or accessory to ensure you have the latest updates.
15. Total Available Graphics Memory refers to the new Windows Vista classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.  
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance ([www.eiae.org](http://www.eiae.org)).  
©2009 Sony Electronics Inc. All rights reserved. Reproduction in whole or in part without written permission is prohibited. Sony, Sony logo, VAIO, VAIO logo, XBRITE-ECO, MagicGate, MOTION EYE, Memory Stick PRO and i.LINK are trademarks of Sony in the U.S. and in other countries. Microsoft and Windows Vista are trademarks of the Microsoft Corporation in the U.S. and in other countries. Intel and Pentium are trademarks of the Intel Corporation in the U.S. and in other countries. Symantec, the Symantec Logo, and Norton Internet Security are trademarks or registered trademarks of Symantec Corporation or its affiliates in the U.S. and other countries. Energy Star and its logo are U.S. trademarks. All other trademarks are trademarks of their respective owners.  
Printed in U.S.A. 03/09.